

AGENDA 18th Meeting - 18 June 2021 – VIRTUAL

- 09:00** **Introductory remarks**
(Prof. Olivier Guillon, FZ Jülich)
- 09:10** **Introductory remarks**
(Mathias Herrmann, Fraunhofer IKTS)
- 09:25** **„FAST-SPS for nano/micro-structured ceramic-based composites”**
(Diletta Guintini, Eindhoven University of Technology)
- 09:50** **„Discrete element model of powder sintering and its extension to the SPS/FAST process”**
(Jerzy Rojek, Institute of Fundamental Technological Research, Polish Academy of Sciences, Department of Information and Computational Science, Warsaw)
- 10:15** **„How can Finite Element Simulations help to understand Spark Plasma Sintering?”**
(Johannes Trapp, Fraunhofer IFAM Dresden)
- 10:40** *Coffee break*

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- 11:00** **“Spark Plasma Sintering = Spark Plasma Synthesis”**
(Igor Veremchuk, Max Planck Institute for Chemical Physics of Solids, Dresden)
- 11:25** **“Low temperature SPS of hardmetals with various binder systems”**
(Mathias von Spalden, Fraunhofer-Institut für Keramische Technologien und Systeme IKTS,
Co-Authors: Johannes Pötschke, Anne Vornberger)
- 11:50** **“Influence of matrix powder size on the tensile strength of an AMC produced by FAST”**
(Robert Pippig, Technical University Chemnitz)
- 12:15** **“Adapting SPS/FAST to the syntheses of selected spinels”**
(Anton Salomon, Technische Bergakademie Freiberg, Institut für Werkstoffwissenschaft)
- 12:40 -** **Discussion / Conclusion**
- 13:00** (Prof. Olivier Guillon, FZ Jülich)

Mitgliedschaft / Membership

Nach der 3. Teilnahme an den FAST/SPS Expertenkreis Treffen ist eine Mitgliedschaft in mind. einer der Trägergesellschaften erforderlich.

With your third attendance at the FAST/SPS meetings a membership in at least one of the supporting societies is required.

- Deutsche Gesellschaft für Materialkunde (**DGM**) www.dgm.de
- Deutsche Keramische Gesellschaft (**DKG**) www.dkg.de
- Fachverband Pulvermetallurgie (**FPM**) www.pulvermetallurgie.com
- Stahlinstitut **VDEh** www.stahl.online.de
- Verein Deutscher Ingenieure (**VDI**) - Gesellschaft Materials Engineering www.vdi.de